

Missouri Department of Natural Resources

Total Maximum Daily Load Information Sheet

Craven Ditch

Water Body Segment at a Glance:

County: Butler
Nearby City: Poplar Bluff
Water Body ID: 2816
Segment Length: 11.6 miles
Pollutants: Low dissolved oxygen
Source: Unknown



Location of Butler County, Missouri

Scheduled for TMDL development: 2023

Description of the Problem

Designated beneficial uses of Craven Ditch:

- Livestock and Wildlife Watering
- Irrigation
- Protection of Warm Water Aquatic Life
- Protection of Human Health (Fish Consumption)
- Secondary Contact Recreation

Uses that are impaired:

- Protection of Warm Water Aquatic Life

Standards that apply

- The dissolved oxygen criterion applicable to Craven Ditch is found in Table A of Missouri's Water Quality Standards at 10 CSR 20.7.031. Table A states that the minimum allowable dissolved oxygen concentration for warm-water and cool-water fisheries is 5 milligrams per liter (mg/L).

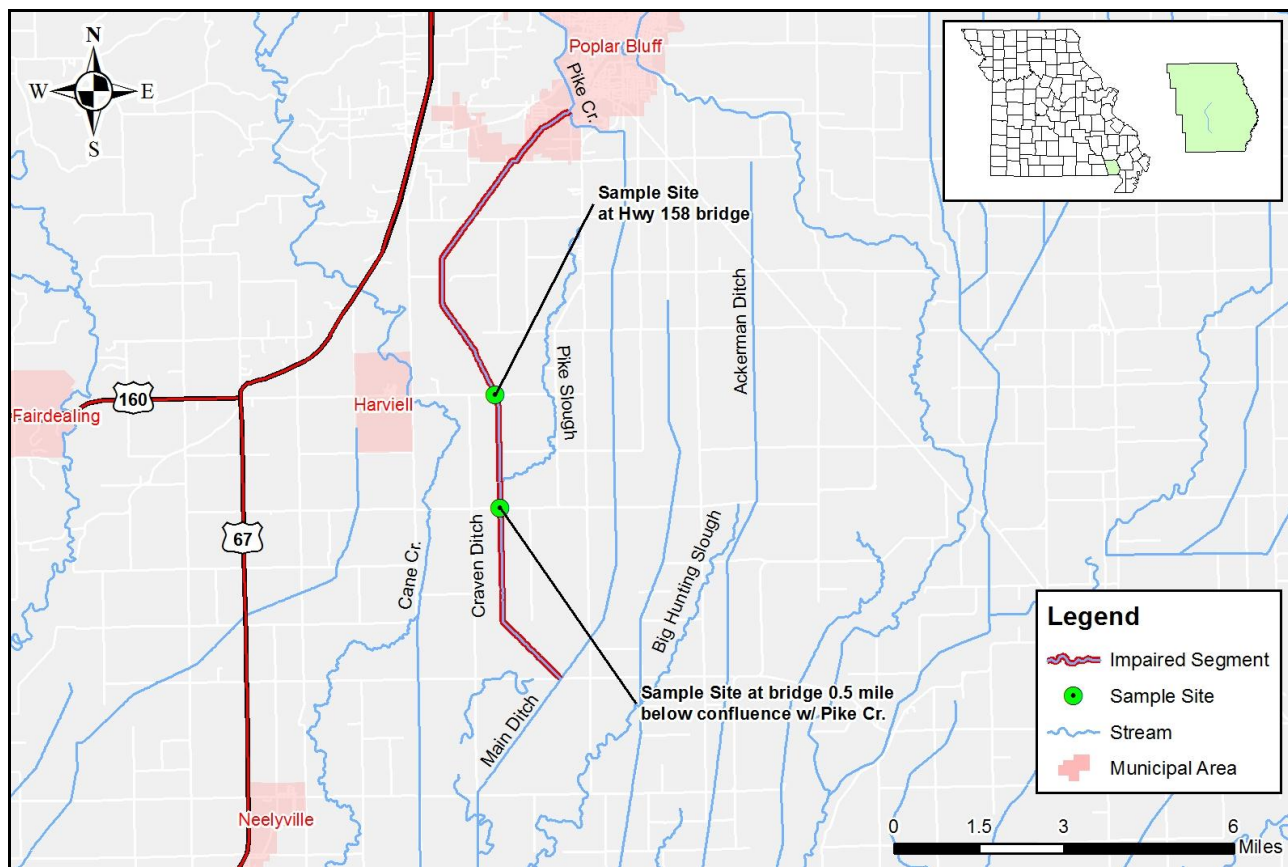
Background information and water quality data

Craven Ditch is a channelized stream partially located within the municipal boundary of Poplar Bluff. Craven Ditch provides an alternative flow pathway between Pike Creek and Main Ditch. A water is judged to be impaired due to low dissolved oxygen if ten percent or more of available dissolved oxygen measurements fall below the water quality criterion of 5 mg/L. For Craven Ditch, six dissolved oxygen measurements were made in 1992. Of these six measurements, four were found to be below 5 mg/L. This equates to a 67 percent exceedance rate. For this reason, Craven Ditch was judged to be impaired due to low dissolved oxygen.

Dissolved Oxygen Data

<i>Org</i>	<i>Site Code</i>	<i>Site Name</i>	<i>Mo</i>	<i>Day</i>	<i>Year</i>	<i>Time</i>	<i>Dissolved Oxygen</i>
MDNR	2816/3.4	@bridge 0.5 mi. Below confluence w/ Pike Cr.	9	1	1992	745	4.5
MDNR	2816/3.4	@bridge 0.5 mi. Below confluence w/ Pike Cr.	9	2	1992	645	4.7
MDNR	2816/3.4	@bridge 0.5 mi. Below confluence w/ Pike Cr.	9	3	1992	630	4.8
MDNR	2816/5.5	Craven Ditch @Hwy 158 bridge	9	1	1992	700	5.2
MDNR	2816/5.5	Craven Ditch @Hwy 158 bridge	9	2	1992	600	5.4
MDNR	2816/5.5	Craven Ditch @Hwy 158 bridge	9	3	1992	700	2.5

Map Showing Craven Ditch and Sample Sites



Note: Final TMDLs developed for Craven Ditch will be based on the most current and available data and information.

For more information call or write:

Missouri Department of Natural Resources

Water Protection Program

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